AMENDMENTS

IN THE CLAIMS:

1. (Amended)   A method for a real time personal purchasing transaction comprising the steps

of:

sending a transaction inquiry from <u>an intelligent keyboard type</u> a mobile device to a central

server,

transmitting the inquiry from the central server to an information source,

receiving a response to the inquiry from the information source to the central server,

formatting the response with the central server, and

displaying the formatted response on the mobile device.

2. (Amended)   The method of claim 1 comprising <u>wherein</u> comprising:

the <u>intelligent keyboard type</u> mobile device having the functionality of a cellular telephone <u>or a</u>

<u>PDA</u>.

3. (Amended) The method of claim 1 further comprising:

performing the [action] <u>transaction</u> at a desired time.

4.   A real time personal purchasing transaction system comprising:

means for sending an inquiry from an intelligent keyboard type mobile device to a local or

network server,

means for transmitting the inquiry from the local or network server to an information source,

means for receiving a response to the inquiry from the information source,

means for formatting the response in a <u>stand alone manner or in conjunction</u> with the local or

network server, and

2

RAO-07

means for displaying the formatted response on the intelligent keyboard type mobile device.

5. The system of claim 4 wherein the intelligent keyboard type mobile device includes the functionality

of a cellular telephone or a PDA.

6. The system of claim 4 further comprising:

means for performing the [action] transaction at a desired time.

Add new Claims 7-24 as follows:

7. A real time transaction system comprising

an intelligent keyboard, the intelligent keyboard having a built in or external MMTR (Multi-

channel Multiplexing Transmitter Receiver) capability;

a local server and/or a network server;

means for communicating between the intelligent keyboard and the local and/or the network server

by wired or wireless means, using one or more communication protocols.

8. A real time transaction system of claim 7 further comprising of

an Intelligent keyboard having one or more of a POTS line communication capability, a cordless

telephone capability, a cellular telephone capability, an Internet Protocol based telephone capability and

one or more wired or wireless communication capabilities.

9. A real time transaction system of claim 7 comprising

a multifunction communication, compute, command and control device;

a local server and/or a network server;

means for communicating between the local server, the network server, stationary devices and the

mobile devices by wired or wireless means, using one or more communication protocols.

10. A real time transaction system comprising

RAO-07

an intelligent keyboard;

a POS (Point of Sale) Terminal;

the POS Terminal being enabled with the MMTR capability;

a local server and/or a network server;

means for communicating between the intelligent keyboard, the POS terminal, the local server and

the network servers by wired or wireless means, using one or more communication protocols.

11.   The real time transaction system of claim 10 comprising

a single function and/or multi function mobile device

the intelligent keyboard and mobile devices having multiple channels of input and output capability;

the inputs and outputs being enabled to receive or transmit in one or more communication

protocols and;

means for communicating between the local servers, the network servers, the intelligent keyboard

and the mobile devices by wired or wireless means, using one or more communication protocols.

12.   The real time transaction system of claim 11 wherein the intelligent keyboard or mobile device

are enabled to do multitasking in a sequential or simultaneous manner utilizing one or more input

and output channels and

the mobile devices have the ability to execute similar or disparate transactions with the same

vendor, multiple vendors, and

the devices further having the capability to work in a stand alone manner and or in conjunction with

one or more local and or network servers.

13.   The real time transaction system of claim 11 comprising

one or more intelligent keyboards and or mobile devices that have a built-in MMTR feature;

the devices being enabled to communicate with each other directly or in conjunction with a local or

network server in a wired or wireless manner;

4

the devices being enabled to utilize the MMTR feature such that the inputs and outputs of the mobile devices , sequentially or contemporaneously may be utilized for voice, data, video or other forms of mobile commerce and non commerce communication, using one or more communication protocols.

14. The real time transaction system of claim 12 wherein the intelligent keyboard or mobile device have an internal and or external MMTR feature;

the intelligent keyboard or mobile devices being enabled to conduct transactions in the same language or different language, leveraging the language translation capability of the mobile device by itself or in conjunction with the language translation capabilities resident on the local or network server.

15 The real time transaction system of claim 13 comprising

means for communicating with one or more local or network servers maintained by vendors;

means for requesting information on products and services from the servers;

means for searching for products and services by one or more mobile users;

means for comparing product or service attributes, prices and other factors;

means for determining the best value proposition against user defined parameters;

means for collaborating with one or more intelligent keyboards and mobile device users;

means for utilizing a GPS capability to acquire location sensitive information related to vendors and one or more intelligent keyboards or mobile devices;

means for determining the optimal execution strategy best suited to each intelligent key board or mobile device users.

16. The real time transaction system of claim 15 comprising

means for determining the price of products and or services in any currency;

means for determining the most currency efficient transaction by one or more mobile device users

5

based on time, availability, set exchange rates or other value propositions, the determination being

done by one or more mobile device users acting alone or collectively;

means for executing the transactions in a stand alone manner or in conjunction with other mobile

device users.

17.   A real time transaction system comprising

a vendor's local or network server wirelessly communicating with a mobile device;

the mobile device wirelessly communicating with a vendor's server,

the communication being enabled in one or more protocols in

the communication being initiated in a time based mode, static mode or dynamic mode either by

the vendor or the mobile device user;

the communication having permissions set by vendor or mobile device user;

the communication including data, text, still images, audio or video,

the communications content including marketing, product, service, price, availability and other

information;

the communication being enabled on one or more input/output channels of an Intelligent keyboard

or a mobile device, the intelligent keyboard or mobile device being contemporaneously enabled to

perform one or more similar or disparate functions as desired by the mobile device user on other

input/output channels.

18.   The real time transaction system of claim 17 comprising

a stationary and immobile environment including an office, home or a shopping mall,

the stationary environment being configured with one or more MMTR units and associated local or

network servers;

the stationary environment being enabled to communicate with one or more intelligent keyboards

and mobile devices for commerce.

6

19. The real time transaction system of claim 16 comprising

a mobile environment, that is an environment that is itself capable of being in motion or being stationary, such as in an airplane, bus, train, automobile and other transportation systems;

the mobile environment being equipped with one or more MMTR units

the system having associated local servers internal to the environment and network servers located external to the environment

the MMTR units, intelligent keyboards and mobile device being further equipped with one or more different communication modes on input and output channels

the communication modes being set for use internal to the environment and or external to the environment.

the communication being enabled in a wired or wireless manner using one or more protocols internal or external to the environment.

20. The apparatus and transaction system of claim 18 comprising

a plurality of RF Tags that are enabled to transmit and/or receive communication signals in a wireless manner in one or more protocols;

the RF tags being configured to uniquely identify various items of service and or product;

the RF Tags being capable of being attached by one or more means, that include embedded attachment means or external attachment means to the services or products,

the RF Tags being capable of wireless communication with an Intelligent keyboard or a mobile device;

the RF tags and mobile devices being capable of communicating with a local or external MMTR unit;

the RF tags further being capable of communication with a local server or network server either directly or in conjunction with the intelligent keyboard or mobile device,

7

the RF tags being implemented at chip level or subsystem or system level,

the intelligent keyboard or the mobile device having one or more personal data bases resident within the mobile device;

the local and/or network servers having one or more data bases.

21.   A transaction system as in claim 19 comprising

means for attaching and associating a RF tag to a product or service,

means for monitoring and tracking of the RF tags by a vendor's local or network server,

means for communicating with one or more RF tags via the intelligent keyboard or the mobile device,

means for selecting the RF tag enabled products and services via the intelligent keyboard or mobile device,

means for executing various transactions that include logging a sale, automatic billing, auto check out, via the mobile device or intelligent keyboard in a stand alone manner or in conjunction with the local or network server,

means for automating permissions for taking the item out of the vendor premises upon logging a sale;

means for setting security alerts if an item is being taken out of a secured zone or the vendor premises without proper authorization,

means for updating inventory, generating order replenishments from suppliers, and other transactions that enable intelligent total management of commerce.

22.   A transaction system of claim 20 comprising

means for enabling the unique addressing, identification and authentication of one or more intelligent appliances, and one or more mobile devices, and one or more local and or network

servers, and one or more RF Tags;

means for using an IP addressing scheme or other secure addressing schemes to execute authorized

and legitimate transactions, using a single or multi channel mobile device

23. The transaction system of claim 22 comprising

means for identification and tracking of RF tag enabled products through the supply and

consumption chain, the RF Tags being variable in size as appropriate for each product, including

being miniaturized;

the RF Tags attached or imbedded within the product,

the RF Tags being implemented in discrete component or single chip component level;

the RF Tags being passively or actively powered;

the RF Tags being recognized by a mobile device or a stationary device

locating the MMTR within a home, office, factory or other environment identifying the products

by RF or wireless means by the MMTR or in association with a mobile device , a local server and

or network server;

means for locating the placement and position of products in each environment and sub-

environment;

means for determining the status of the inventory dynamically;

means for placing orders to suppliers to replenish stocks by transmitting needs through the MMTR

or directly via the mobile device; and

means for maintaining relevant data and databases within the MMTR, the mobile device, the local

server and or the network server.

24. A transaction system of claim 23 comprising

means for setting up of a personalized group or sub group, where each group may consist of one or

9

more intelligent keyboards or mobile devices,

means for determining the value maximizing or value optimizing algorithms of the individual mobile

device or groups of devices or sub groups of devices,

means for enabling the mobile device user to set the value maximizing or optimizing features that

include parameters such as price, price comparison, product or service attributes, availability,

proximity, delivery, warranty, cost, currency, sales and local taxes, customs and excise duties

among others, group purchasing discounts;

means for multi tasking and conducting one or more types of communication with one or more

mobile devices and local or network servers,

means for utilizing the computational capabilities and databases of one or more mobile device

working alone or in unison and/or in conjunction with a local or network server.

10